3611 South Harbor Boulevard
Suite 260
Santa Ana, CA 92704
731.431.4100
Fax 714.825.0685

November 12, 2001

Mr. Roger Baker
Principal Planner
CITY OF BURBANK
275 East Olive Avenue
Burbank, California 91502

Clayton Project No. 80-98191.00

Subject: Status Report of Vapor Extraction System Operation - Lockheed-Martin B-1 Site – August – October 2001

Dear Mr. Baker:

The following status report has been prepared by Clayton Group Services, Inc. (Clayton) for the Vapor Extraction System (VES) operation at Lockheed-Martin B-1 Site for the period between August 5, 2001 and October 19, 2001. It includes the following items:

- Background
- Clayton Field Activities
- Results of Laboratory Analysis
- Health Risk Assessment Calculations
- Conclusions

BACKGROUND

Alton Geoscience conducted a "Phase I" and "Phase II" of VES effluent sampling and health risk assessment for the Lockheed-Martin B-1 facility. Phase I consisted of twelve weekly health risk reports based on samples collected between September 2, 1997 and February 9, 1998. Phase II included twelve bi-weekly health risk assessments based on samples collected between February 16, 1998 and September 9, 1998. Phase III consisted of monthly sampling between October and December 1998.

Phase IV of the VES effluent sampling consists of VES effluent sample acquisition, laboratory analyses, and health risk assessments to be performed once per quarter for the remainder of the project. The first and second quarterly health risk assessments were provided by Alton in reports dated January 18, 1999 and May 24, 1999, respectively.

Clayton conducted the third quarter sampling and risk assessment, then provided the results a report dated November 1, 1999. Seven additional reports were submitted by Clayton. These reports were dated:

- November 23, 1999, which addressed the temporary shutdown of the system on October 14, 1999 for rebound testing;
- March 13, 2000, for the period following restart of the system;
- May 16, 2000 for the period through March 2000;
- March, July 12, 2000 for the period through June 2000, and
- November 17, 2000, for the period through September 2000.
- February 22, 2001, for the period through January 2001
- May 31, 2001, for the period through April 2001
- August 21, 2001, for the period through August 5, 2001

CLAYTON FIELD ACTIVITIES

On October 19, 2001, personnel from Clayton met with Earth Tech personnel to conduct sampling of air emissions at the Lockheed-Martin B-1 Site VES. Clayton and Earth Tech personnel each collected an exhaust sample using an evacuated Summa canister, connected via a disposable Teflon® tube to the VES unit's sampling port.

During the sampling period, the exhaust flow rate of 1,275 scfm and volatile organic compound (VOC) monitoring readings of 0.79 and 0.66 ppmv were recorded. These VOC reading were within acceptable operating conditions for the VES. The 15 minute and 24 hour average VOC emissions rates indicated at the time were 0.6224 and 0.4228 lbs/day, respectively.

The sample collected by Clayton was delivered to Air Toxics LTD in Folsom, California for analysis by gas-chromatograph/mass spectrometry (GS/MS) in accordance with EPA Method TO-14.

RESULTS OF LABORATORY ANALYSES

The results from the TO-14 analysis of the sample taken on October 19, 2001 indicated that only six (6) compounds were present in concentrations above detection limits. Following are a list of these compounds and the concentrations indicated by the analysis:

Compound	Concentration (ppmv)[1]
Dichlorodifluoromethane (Freon 12)	0.016
1,1-Dichloroethylene	0.0051
Perchloroethylene (PCE)	0.480
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0084
1,1,1-Trichloroethane	0.0023
Trichloroethylene (TCE)	0.340

1 ppmv = parts per million by volume

These results are significantly lower than those from the previous quarter, with the TCE concentration one fifth of the August 2001 level (0.340 versus 1.700 ppmv). Although lower, these concentrations are still not as low as those observed during both 1998 and 1999.

Using the analytical data, an overall VOC emission rate of 0.633 lb/day was calculated. This value corrolates very closely with the previously discussed 15 minute average VOC reading (0.6224 lbs/day) provided by the continuous monitoring system. This calculated VOC emission level is well below the Conditional Use Permit (CUP) limit of 9.8 pounds per day. This result along, with the previous calculated total VOC emissions for the unit, were plotted on Figure 1. Vinyl Chloride was not detected in the sample taken. Therefore, its CUP limit of 0.14 pounds per day was not exceeded.

HEALTH RISK ASSESSMENT CALCULATIONS

In accordance with the CUP, the stack concentrations of each constituent and the exhaust flow rates were used to calculate the excess cancer risk resulting from operation of the VES. The first risk calculation was to determine the risk if the unit was operated for a lifetime period of 70 years, evaluating the risk to both workers and local residents for those chemicals specified in SCAQMD Rule 1401, as adopted at the time the unit was permitted. The second risk calculation was to determine the risk to both workers and local residents for the life of the project (the 8.5 year operating period), for all detected chemicals for which carcinogenic risk factors are available.

The resulting cancer risk calculations for both conditions indicated an acceptable Maximum Individual Cancer Risk (MICR) of less than one in one million. The results from these calculations, along with the MICR results from previous calculations for the unit, are presented on Figures 2 and 3, for 70 year and 8.5 year calculations respectively.

CONCLUSIONS

Based on the results of the information gathered and samples taken on October 19, 2001, the following conclusions can be made:

VOC emissions from the VES are well below the CUP limit of 9.8 pounds per day. Since vinyl chloride was not detected, its CUP limit of 0.14 pounds per day was not exceeded.

Excess cancer risks (MICR) were less than one in one million for workers and local residents, using both 70 year lifetime and 8.5 year operating period risk calculations. VOC emission rates have had significant fluctuations during the last two year period but remain below those during the initial startup of the unit . These levels may be a result of eventual desiccation (drying) of clay layers due to constant long term air flow resulting in the increased volatilization of VOC components, particularly TCE and PCE. In any case, it appears the system is just doing its job removing underground contaminants. The fluctuations may continue for some time eventually dying out as the remaining contamination is removed from the site.

If you have any questions or require additional information regarding this status report, please contact me at (714) 431-4142 or Gustavo Valdivia at (714) 431-4113.

Sincerely,

Kevin Cosgrove
Senior Engineer
Environmental Services

Reviewed by:

Gustavo Valdivia, P.E. No. 57702
Project Manager
Environmental Services

Attachments: Figure 1 - Daily VOC Emissions
Figure 2 - Human Health Risk (70 Year Lifetime)
Figure 3 - Human Health Risk (8.5 Year Operating Period)
Laboratory Report

cc: Ms. Stacey Ebiner, South Coast Air Quality Management District
George Illes, South Coast Air Quality Management District

FIGURE 1 - DAILY VOC EMISSIONS
LOCKHEED B-1 VES
Independent Monitoring Data

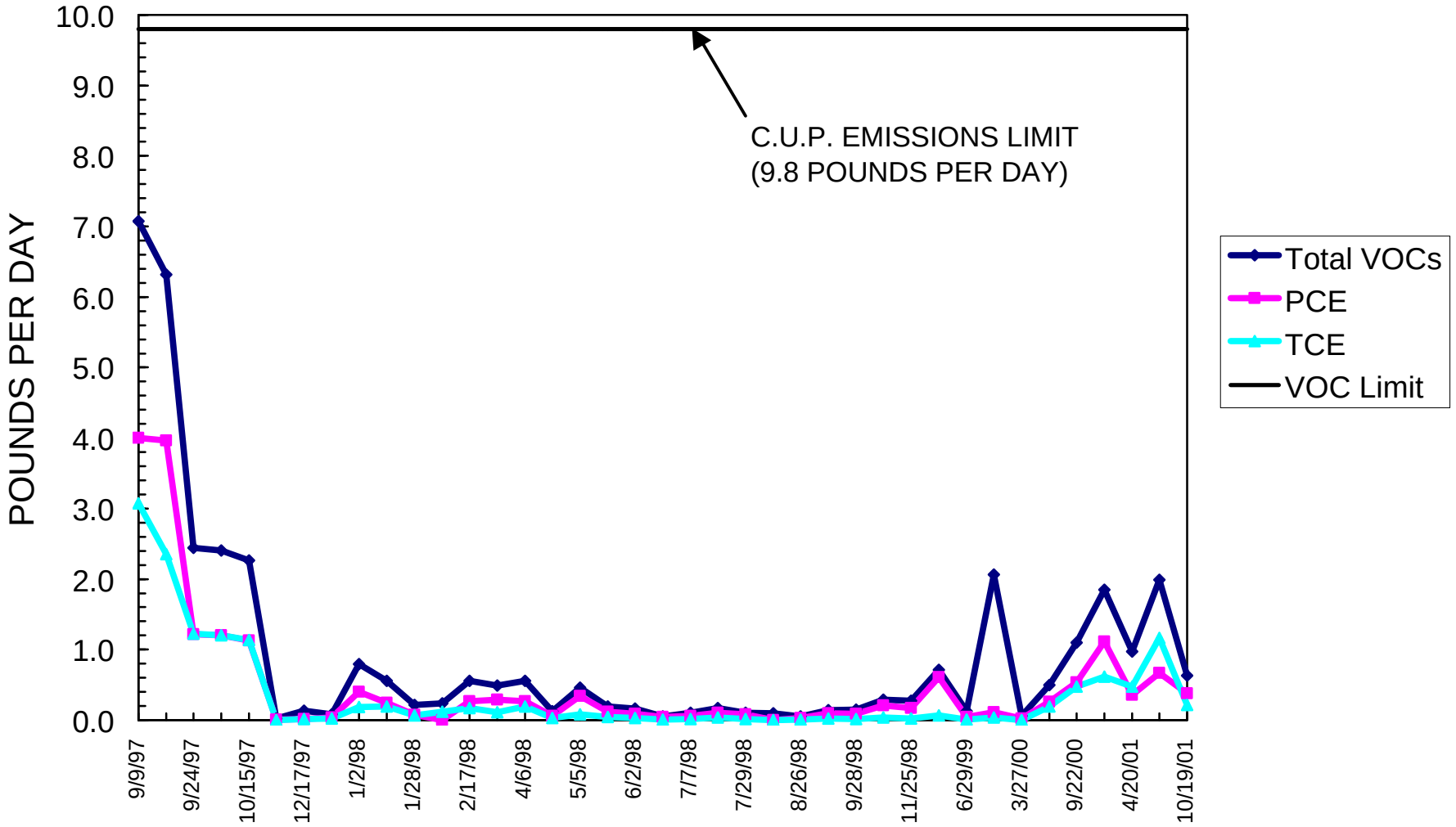

FIGURE 1

FIGURE 2 - HUMAN HEALTH RISK
LOCKHEED B-1 VES
SCAQMD RULE 1401 CHEMICALS
HYPOTHETICAL 70 YEAR LIFETIME

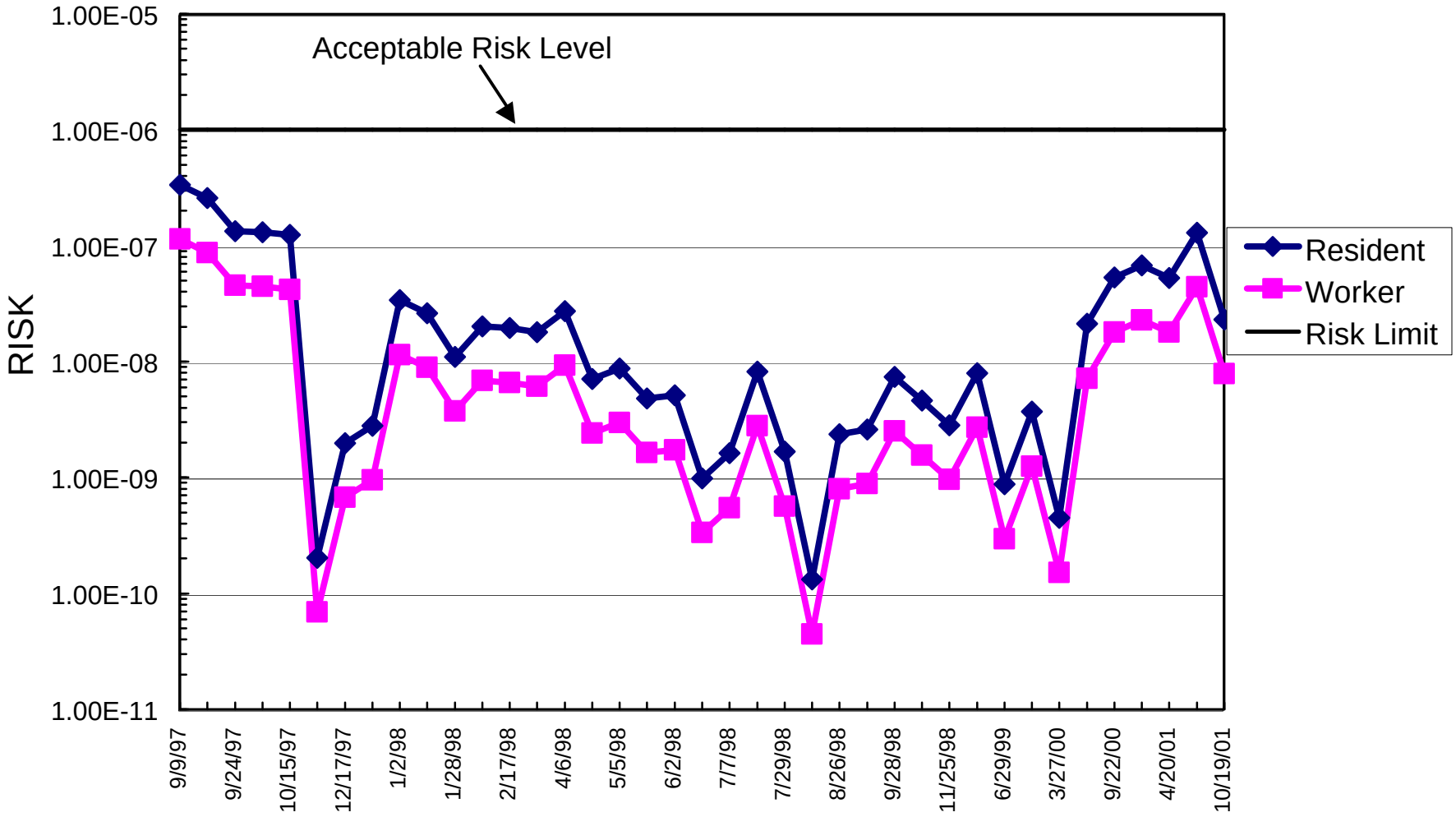

FIGURE 2

FIGURE 3 - HUMAN HEALTH RISK
LOCKHEED B-1 VES
DURING 8.5 YEAR OPERATING PERIOD

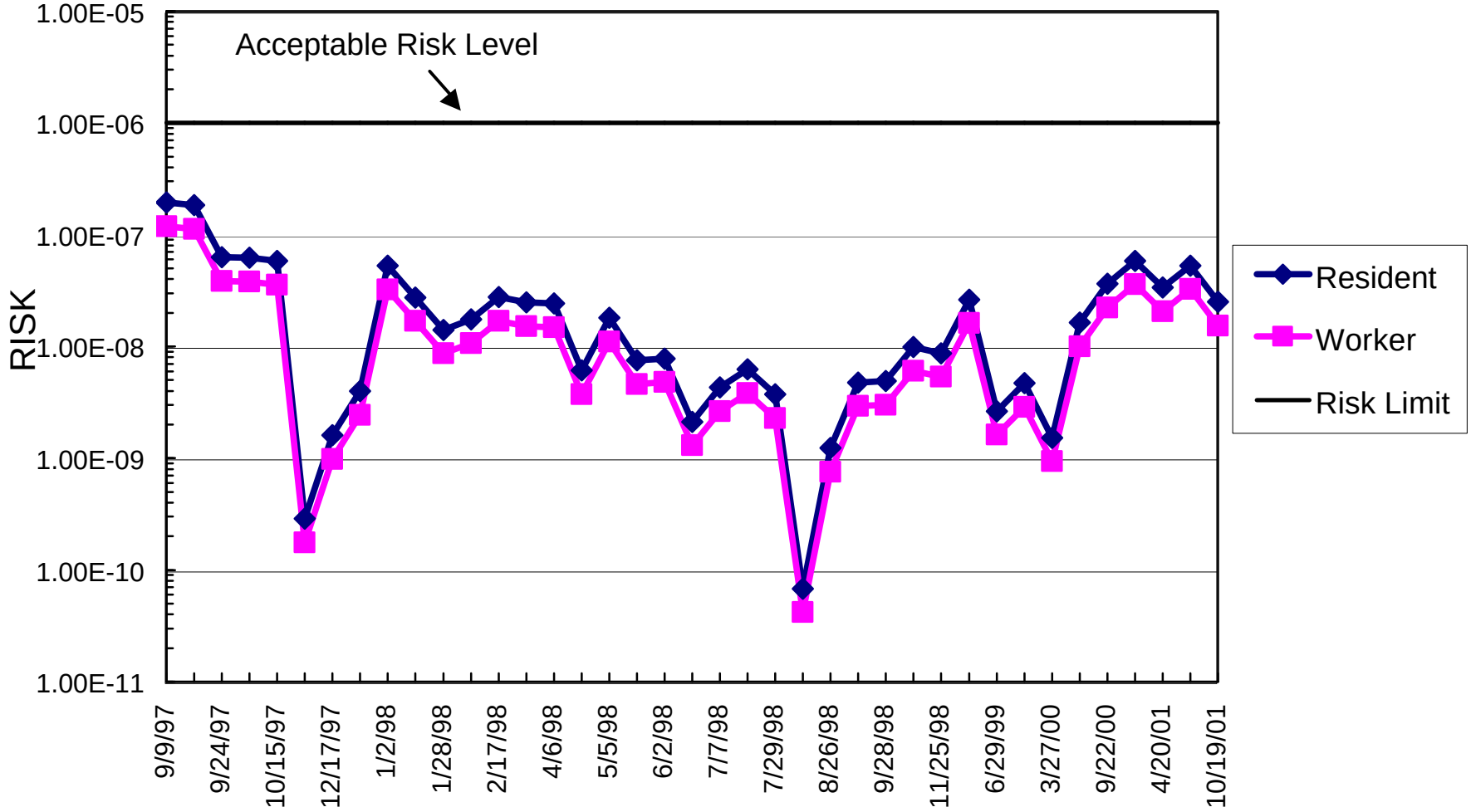

FIGURE 3

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABARATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

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E-mail to:samplereceiving@airtoxics.com

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0110404

Work Order Summary

CLIENT:	Mr. Bill Gendron Clayton Group Services 3611 S Harbor Boulevard #260 Santa Ana, CA 92704	**BILL TO:**	Mr. Bill Gendron Clayton Group Services 3611 S Harbor Boulevard #260 Santa Ana, CA 92704
PHONE:	714-431-4100	**P.O. #**	NR
FAX:	714-825-0685	**PROJECT #**	8098191.00 City of Burbank
DATE RECEIVED:	10/22/01	**CONTACT:**	Lisa Argento
DATE COMPLETED:	11/5/01		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	B-1-VES-101901	TO-14	3.5 "Hg
02A	Lab Blank	TO-14	NA
03A	LCS	TO-14	NA

CERTIFIED BY: Linda D. Frumarx DATE: 11/05/01

Laboratory Director

Certfication numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217, AZ ELAP - AZ0567, LA - AI 30763
Name of Accrediting Agency: NELAP/State of New York Department of Health, Scope of Accreditation : Non Potable Water
Accreditation number :11291, Effective date: 6/7/01, Expiration date: 4/1/02

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
TO-14
Clayton Environmental
Workorder# 0110404

One 6 Liter Silonite Canister sample was received on October 22, 2001. The laboratory performed analysis via EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

During the five point calibration, two low-level standards are used. The low-level standard for TO-14 compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low-level standard for the non-TO-14 compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. The TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

Method modifications taken to run these samples include:

Requirement	***TO-14***	***ATL Modifications***
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Initial calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified.	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation.	Average response factor (ICAL).	Average response factor (ICAL).

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit(background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME: B-1-VES-101901

ID#: 0110404-01A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**c102711**	**Date of Collection:**	**10/19/01**
Dil. Factor:	**3.04**	**Date of Analysis:**	**10/27/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1.5	7.6	16	83
Freon 114	1.5	11	Not Detected	Not Detected
Chloromethane	1.5	3.2	Not Detected	Not Detected
Vinyl Chloride	1.5	3.9	Not Detected	Not Detected
Bromomethane	1.5	6.0	Not Detected	Not Detected
Chloroethane	1.5	4.1	Not Detected	Not Detected
Freon 11	1.5	8.7	Not Detected	Not Detected
1,1-Dichloroethene	1.5	6.1	5.1	20
Freon 113	1.5	12	8.4	66
Methylene Chloride	1.5	5.4	Not Detected	Not Detected
1,1-Dichloroethane	1.5	6.2	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.5	6.1	Not Detected	Not Detected
Chloroform	1.5	7.5	Not Detected	Not Detected
1,1,1-Trichloroethane	1.5	8.4	2.3	12
Carbon Tetrachloride	1.5	9.7	Not Detected	Not Detected
Benzene	1.5	4.9	Not Detected	Not Detected
1,2-Dichloroethane	1.5	6.2	Not Detected	Not Detected
Trichloroethene	1.5	8.3	340	1900
1,2-Dichloropropane	1.5	7.1	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.5	7.0	Not Detected	Not Detected
Toluene	1.5	5.8	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.5	7.0	Not Detected	Not Detected
1,1,2-Trichloroethane	1.5	8.4	Not Detected	Not Detected
Tetrachloroethene	1.5	10	480	3300
Ethylene Dibromide	1.5	12	Not Detected	Not Detected
Chlorobenzene	1.5	7.1	Not Detected	Not Detected
Ethyl Benzene	1.5	6.7	Not Detected	Not Detected
m,p-Xylene	1.5	6.7	Not Detected	Not Detected
o-Xylene	1.5	6.7	Not Detected	Not Detected
Styrene	1.5	6.6	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	1.5	11	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1.5	7.6	Not Detected	Not Detected
1,2,4-Trimethylbenzene	1.5	7.6	Not Detected	Not Detected
1,3-Dichlorobenzene	1.5	9.3	Not Detected	Not Detected
1,4-Dichlorobenzene	1.5	9.3	Not Detected	Not Detected
Chlorotoluene	1.5	8.0	Not Detected	Not Detected
1,2-Dichlorobenzene	1.5	9.3	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.5	11	Not Detected	Not Detected
Hexachlorobutadiene	1.5	16	Not Detected	Not Detected
Propylene	6.1	11	Not Detected	Not Detected
1,3-Butadiene	6.1	14	Not Detected	Not Detected
Acetone	6.1	15	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: B-1-VES-101901

ID#: 0110404-01A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**c102711**	**Date of Collection:**	**10/19/01**
Dil. Factor:	**3.04**	**Date of Analysis:**	**10/27/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	6.1	19	Not Detected	Not Detected
2-Propanol	6.1	15	Not Detected	Not Detected
trans-1,2-Dichloroethene	6.1	24	Not Detected	Not Detected
Vinyl Acetate	6.1	22	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	6.1	18	Not Detected	Not Detected
Hexane	6.1	22	Not Detected	Not Detected
Tetrahydrofuran	6.1	18	Not Detected	Not Detected
Cyclohexane	6.1	21	Not Detected	Not Detected
1,4-Dioxane	6.1	22	Not Detected	Not Detected
Bromodichloromethane	6.1	41	Not Detected	Not Detected
4-Methyl-2-pentanone	6.1	25	Not Detected	Not Detected
2-Hexanone	6.1	25	Not Detected	Not Detected
Dibromochloromethane	6.1	53	Not Detected	Not Detected
Bromoform	6.1	64	Not Detected	Not Detected
4-Ethyltoluene	6.1	30	Not Detected	Not Detected
Ethanol	6.1	12	Not Detected	Not Detected
Methyl tert-Butyl Ether	6.1	22	Not Detected	Not Detected
Heptane	6.1	25	Not Detected	Not Detected

Container Type: 6 Liter Silonite Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	88	70-130
4-Bromofluorobenzene	103	70-130

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SAMPLE NAME: Lab Blank

ID#: 0110404-02A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**c102706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/27/01**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

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SAMPLE NAME: Lab Blank

ID#: 0110404-02A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**c102706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/27/01**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0110404-03A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**c102703**		**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 10/27/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Freon 12	0.50	2.5	116
Freon 114	0.50	3.6	107
Chloromethane	0.50	1.0	114
Vinyl Chloride	0.50	1.3	112
Bromomethane	0.50	2.0	118
Chloroethane	0.50	1.3	91
Freon 11	0.50	2.8	111
1,1-Dichloroethene	0.50	2.0	98
Freon 113	0.50	3.9	97
Methylene Chloride	0.50	1.8	94
1,1-Dichloroethane	0.50	2.0	106
cis-1,2-Dichloroethene	0.50	2.0	97
Chloroform	0.50	2.5	104
1,1,1-Trichloroethane	0.50	2.8	117
Carbon Tetrachloride	0.50	3.2	115
Benzene	0.50	1.6	96
1,2-Dichloroethane	0.50	2.0	97
Trichloroethene	0.50	2.7	99
1,2-Dichloropropane	0.50	2.3	108
cis-1,3-Dichloropropene	0.50	2.3	104
Toluene	0.50	1.9	97
trans-1,3-Dichloropropene	0.50	2.3	115
1,1,2-Trichloroethane	0.50	2.8	113
Tetrachloroethene	0.50	3.4	105
Ethylene Dibromide	0.50	3.9	151 Q
Chlorobenzene	0.50	2.3	103
Ethyl Benzene	0.50	2.2	107
m,p-Xylene	0.50	2.2	107
o-Xylene	0.50	2.2	129
Styrene	0.50	2.2	121
1,1,2,2-Tetrachloroethane	0.50	3.5	104
1,3,5-Trimethylbenzene	0.50	2.5	112
1,2,4-Trimethylbenzene	0.50	2.5	94
1,3-Dichlorobenzene	0.50	3.0	95
1,4-Dichlorobenzene	0.50	3.0	94
Chlorotoluene	0.50	2.6	90
1,2-Dichlorobenzene	0.50	3.0	92
1,2,4-Trichlorobenzene	0.50	3.8	56 Q
Hexachlorobutadiene	0.50	5.4	57 Q
Propylene	2.0	3.5	102
1,3-Butadiene	2.0	4.5	114
Acetone	2.0	4.8	108

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0110404-03A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**c102703**		**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 10/27/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Carbon Disulfide	2.0	6.3	96
2-Propanol	2.0	5.0	102
trans-1,2-Dichloroethene	2.0	8.0	97
Vinyl Acetate	2.0	7.2	109
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	100
Hexane	2.0	7.2	116
Tetrahydrofuran	2.0	6.0	98
Cyclohexane	2.0	7.0	113
1,4-Dioxane	2.0	7.3	92
Bromodichloromethane	2.0	14	98
4-Methyl-2-pentanone	2.0	8.3	97
2-Hexanone	2.0	8.3	100
Dibromochloromethane	2.0	17	114
Bromoform	2.0	21	112
4-Ethyltoluene	2.0	10	92
Ethanol	2.0	3.8	91
Methyl tert-Butyl Ether	2.0	7.3	104
Heptane	2.0	8.3	101

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	105	70-130

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Contact Person: GUSTAVO VALDIVIA
Company: CLAYTON GROUP SERVICES
Address: 3611 S. HARBOR BLVD City: SANTA ANA State: CA Zip: 92704
Phone: 714 431 4100 FAX: 714 825 0685
Collected By: Signature:

Project info:
P.O. #:
Project #: AO 98191.00
Project Name: CITY OF BURBANK

Turn Around Time:
☑ Normal
☐ Rush Specify
ML 10.23.01

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
-01A	B-1-VES-101901	10.19.01 / 1040	TO-14	28	0	3.5 "Hg

Relinquished By: (Signature) Date/Time: 10.19.01 / 1200 — Received By: (Signature) Date/Time: Jawad Thomas 10-22-01 ATL 0930
Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time

Notes:

Lab Use Only

Shipper Name	Air Bill #	Opened By:	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
Fed EX	8307 1399 3922	JZ	Ambient	Good	Yes No (None)	0110404

Form 1293 rev. 09